1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the product

Identification of the mixture: Mixland + DOTG 75% GA/BA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Curing chemical

1.3. Details of the supplier of the safety data sheet

Supplier

MLPC International
209, Avenue Charles Despiau
F-40370 RION-DES-LANDES
FRANCE
Tel. + 33 (0) 5 58 57 02 00
http://www.mlpc-intl.com
fds@mlpc-intl.com

1.4. Emergency telephone number

+44 (0) 1235 239 670 (Carechem24 – MLPC 29003) **Europe**
001866 928 0789 (Carechem24 – MLPC 29003) **Americas**
+65 3158 1074 (Carechem24 – MLPC 29003) **Asia-pacific region** (excluding China)
+86 400 6267911 **China mainland**

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):
Oral: Acute toxicity, 3, H301
Hazardous to the aquatic environment - chronic hazard, 3, H412

Additional information:
For the full text of the H, EUH-phrases mentioned in this Section, see Section 16.

2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

Hazardous components which must be listed on the label:
1,3-Di-o-tolylguanidine

Hazard pictograms:

Signal word: **Danger**

Hazard statements:
H301 : Toxic if swallowed.
H412 : Harmful to aquatic life with long lasting effects.

Precautionary statements:
Prevention:
P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.
P273 : Avoid release to the environment.
Response:
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Disposal:
P501 : Dispose of contents/ container to an approved incineration plant.

2.3. Other hazards : None.

Other:
Results of PBT and vPvB assessment : According to REACH regulation, annex XIII, this mixture contains no substance meeting PBT and vPvB criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical nature of the mixture[1]:
Mixture based on: Polymer and

Hazardous components (accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)) :

Chemical name[1] & REACH Registration Number[2]	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008
1,3-Di-o-tolylguanidine (01-2119974274-31)	202-577-6	97-39-2	< 75 %	Acute Tox. 3 (Oral); H301 Aquatic Chronic 3; H412
Distillates (petroleum), hydrotreated light paraffinic (01-2119487077-29) (N° ANNEX: 649-468-00-3)	265-158-7	64742-55-8	12 - 14%	AH 1; H304 Nota L: DMSO <3%

[1]: See chapter 14 for Proper Shipping Name
[2] :See the text of the regulation for applicable exceptions or provisions : The transition time according to REACH Regulation, Article 23, is still not expired.
For the full text of the H, EUH-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of necessary first-aid measures:

General advice:
Take off immediately all contaminated clothing.

Inhalation:
Move to fresh air. Consult a physician.

Skin contact:
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact:
Wash well-open eyes immediately, abundantly and thoroughly with water. Consult an ophthalmologist.

Ingestion:
Call a physician immediately. Do not induce vomiting without medical advice. Rinse mouth.

Protection of first-aiders:
If entering a saturated atmosphere, wear a self contained breathing apparatus.

4.2. Most important symptoms/effects, acute and delayed: No data available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary: No data available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, Foam, Dry powder

Unsuitable extinguishing media: All other extinguishants

5.2. Special hazards arising from the substance or mixture:
Thermal decomposition gives :, Nitrogen oxides (NOx), Sulphur oxides, Carbon oxides

5.3. Advice for firefighters:

Specific methods:
Suppress gases, fumes and/or dust with water spray jet. Remove all sources of ignition.

Special protective actions for fire-fighters:
Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:
Avoid contact with skin and eyes and inhalation of dust.

6.2. Environmental precautions:
Do not let product enter drains. Do not contaminate surface water.

6.3. Methods and materials for containment and cleaning up:

Recovery:
Shovel or sweep up. Recover the product and place in a dry labelled container.

Elimination:
Dispose of as hazardous waste in compliance with local and national regulations.

6.4. Reference to other sections: None.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Technical measures/Precautions:
Provide appropriate exhaust ventilation at machinery. Provide showers, eye-baths. In the presence of an ignition source: Dust may form explosive mixture in air.

Safe handling advice:
In case of dust formation, wear a dust mask. Avoid static electricity build up with connection to earth.

Hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes.
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities:
Store protected from moisture and heat. Protect from light. Keep away from direct sunlight.

Incompatible products:
Strong acids, Oxidizing agents

Packaging material:
Recommended: Cardboard lined with polyethylene liner, Paper bags lined with polyethylene

7.3. Specific end use(s): None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure Limit Values

Distillates (petroleum), hydrotreated light paraffinic

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EU SCOELS	2014	TWA	–	5	8 hours Inhalable
EU SCOELS	2014		–	–	Inhalable Listed
ACGIH (US)	02 2012		–	–	Exposure by all routes should be carefully controlled to levels as low as possible.
ACGIH (US)	02 2012		–	–	Included in the regulation but with no data values. See regulation for further details.
ACGIH (US)	02 2012	TWA	–	5	Inhalable fraction.

Derived No Effect Level (DNEL): 1,3-DI-O-TOLYLGUANIDINE :

End Use	Inhalation	Ingestion	Skin contact
Workers	0,6 mg/m3 (LT, SE)		1,7 mg/kg (LT, SE)
Consumers	0,15 mg/m3 (LT, SE)	0,085 mg/kg (LT, SE)	0,85 mg/kg (LT, SE)

LE : Local effects, **SE** : Systemic effects, **LT** : Long term, **ST** : Short term

Predicted No Effect Concentration: 1,3-DI-O-TOLYLGUANIDINE :

Compartment:	Value:
Fresh water	=0,0568 mg/l
Marine water	=0,00568 mg/l
Water (Intermittent release)	=0,072 mg/l
Effects on waste water treatment plants	=10 mg/l
Fresh water sediment	= 1,78 mg/kg
Marine sediment	= 0,178 mg/kg
Soil	= 0,322 mg/kg

8.2. Exposure controls:

General protective measures: Ensure sufficient air exchange and/or exhaust in work areas

Personal protective equipment:
Respiratory protection: Effective dust mask
Hand protection: Impervious gloves
Eye/face protection: Tightly fitting safety goggles
Skin and body protection: Protective suit

Environmental exposure controls: See chapter 6

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:
Physical state (20°C): solid (20 °C)
Form: roll, or, pellets
Colour: grey
Odour: Characteristic and slight
Olfactory threshold: No data available.
pH: Not applicable
Melting point : 177,5 °C Active ingredient (OECD Test Guideline 102)
Not applicable (decomposes on heating)
Flash point: Not relevant

Evaporation rate:	No data available.
Flammability (solid, gas):	
Flammability:	Non flammable product (Standard A10)
Vapour pressure:	< 0,00001 Pa , at 25 °C Active ingredient (OECD Test Guideline 104)
Vapour density:	No data available.
Density:	0,773 g/cm3 , at 20 °C Molten form
Water solubility:	70 mg/l at 20 °C (OECD Test Guideline 105)
Partition coefficient: n-octanol/water:	1,3-DI-O-TOLYLGUANIDINE : log Kow : 2,9 , at 25 °C (OECD Test Guideline 107)
Auto-ignition temperature:	Not applicable (decomposes on heating)
Decomposition temperature:	Average 195 °C 3 K/min Active ingredient (TGA (Thermal Gravimetric Analysis))
Viscosity, kinematic:	Not applicable
Explosive properties:	
Explosivity:	Not relevant (due to the chemical structure)Not explosive
Oxidizing properties:	Not relevant (due to the chemical structure)

9.2. Other data:

Solubility in other solvents:	Insoluble in : Benzene Soluble in: Acetone Soluble in alcohols
Surface tension:	69,9 mN/m at 20,6 °C (OECD Test Guideline 115)
pKA:	10,67 at 20 °C (calculated)
Molecular weight:	239,3 g/mol

10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability:
The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid:
Store protected from moisture and heat. Protect from light. Keep away from direct sunlight.

10.5. Incompatible materials to avoid:
Strong acids and strong bases

10.6. Hazardous decomposition products:

Thermal decomposition:
Decomposition temperature: Average 195 °C, Heat rate: 3 K/min
Active ingredient

Nitrogen oxides (NOx), Carbon dioxide (CO2), Sulphur oxides

11. TOXICOLOGICAL INFORMATION

All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

11.1. Information on toxicological effects:

Acute toxicity:

Inhalation:	**Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :

• In animals :	No mortality/4 h/Rat: 5,53 mg/l (Method: OECD Test Guideline 403) (Aerosol)

Ingestion:	**According to its composition : Toxic if swallowed.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : LD50/Rat: 56 mg/kg (Method: OECD Test Guideline 401)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : No mortality/Rat: 5.000 mg/kg (Method: OECD Test Guideline 401)

Dermal: **According to its composition, can be considered as : Slightly or not harmful in contact with skin**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 402)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : No mortality/Rabbit: 5.000 mg/kg (Method: OECD Test Guideline 402)

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : No skin irritation (After semi-occlusive contact, Rabbit, Exposure time: 24 h)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : Slightly irritating to skin. (Rabbit, Exposure time: 24 h)

Eye contact: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : Mild eye irritation (Draize Test, Rabbit)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : No eye irritation (OECD Test Guideline 405, Rabbit)

Respiratory or skin sensitisation:

Inhalation: No data available.

Skin contact: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
• In animals : No effect is reported. (Method : OECD Test Guideline 406 Guinea pig maximization test, Guinea pig)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : Not a skin sensitizer (Method : OECD Test Guideline 406 Guinea pig maximization test)

CMR effects :

Mutagenicity: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

In vitro

1,3-DI-O-TOLYLGUANIDINE :
Ames test in vitro: Inactive (Method: OECD Test Guideline 471)
Chromosome aberration test in vitro: Active (Method: OECD Test Guideline 473)
In vitro gene mutations test on mammalian cells: Inactive (Method: OECD Test Guideline 476)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
Ames test in vitro: Inactive (Method: OECD Test Guideline 471)
In vitro test for chromosomal abnormalities on CHO cells: Inactive (Method: OECD Test Guideline 473)
In vitro gene mutations test on mammalian cells: Inactive (Method: OECD Test Guideline 476)

In vivo

1,3-DI-O-TOLYLGUANIDINE :
Micronucleus test in vivo mouse: Inactive (Method: OECD Test Guideline 474)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
Micronucleus test in vivo mouse: Inactive (Method: OECD Test Guideline 474)

Carcinogenicity: No data available.

Reproductive toxicity:

Fertility: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : Absence of toxic effects upon the reproductive system
NOAEL (Parental toxicity): 8 mg/kg bw/day
NOAEL (Fertility): 50 mg/kg bw/day
(Method: OECD Test Guideline 421, Rat, By oral route)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : Reproduction Test: No toxicity to reproduction
NOAEL (Parental toxicity): 1.000 mg/kg bw/day
NOAEL (Fertility): 1.000 mg/kg bw/day
(Method: OECD Test Guideline 421, Rat, By oral route)

Foetal development: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : Absence of congenital malformations and embryotoxic effects at non-toxic doses for the mothers
NOAEL (Developmental Toxicity): 10 mg/kg bw/day
NOAEL (Maternal Toxicity): 10 mg/kg bw/day
(Method: OECD Test Guideline 414, Rat, By oral route)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : Absence of toxic effects for foetal development.
NOAEL (Developmental Toxicity): 2.000 mg/kg bw/day
NOAEL (Maternal Toxicity): < 125 mg/kg bw/day
(Method: OECD Test Guideline 414, Rat, dermal route)

Specific target organ toxicity :

Single exposure :

Inhalation: **Possible irritation of respiratory system**

Repeated exposure: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
• In animals : By oral route: No specific toxic effects
30 mg/kg (Method: OECD Test Guideline 407, Rat, 4 Weeks)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
• In animals : By inhalation: No effect is reported.
NOAEL= > 1 mg/l (Rat, 4 Weeks) (Aerosol)
dermal route: No effect is reported.
NOAEL= > 2.000 mg/kg (Method: OECD Test Guideline 411, Rat, 3 months)
By oral route: (Results obtained on a similar product).
Target organs: Reproductive organs, Stomach, Liver, Thymus, NOAEL= < 125 mg/kg (Method: OECD Test Guideline 408, Rat, 3 months)

Aspiration hazard: Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment: All available and relevant data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

According to available experimental data:

Acute aquatic toxicity : Toxic to aquatic life.
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

12.1. Toxicity :

Fish: **Harmful to fish.**

1,3-DI-O-TOLYLGUANIDINE :
LC50, 96 h (Oryzias latipes (medaka)) : 19,3 mg/l (Method: OECD Test Guideline 203)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
LL50, 96 h (Pimephales promelas (fathead minnow)) : > 100 mg/l (Method: OECD Test Guideline 203)

Aquatic invertebrates: **Toxic to daphnia.**

1,3-DI-O-TOLYLGUANIDINE :
EC50, 48 h (Daphnia magna (Water flea)) : 7,19 mg/l (Method: OECD Test Guideline 202, Immobilization)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
LL50, 48 h (Daphnia magna (Water flea)) : > 10.000 mg/l (Method: OECD Test Guideline 202, pH: 7,7, Immobilization)

Aquatic plants: **Toxic to algae.**

1,3-DI-O-TOLYLGUANIDINE :
EC50, 72 h (Raphidocelis subcapitata) : 7,2 mg/l (Method: OECD Test Guideline 201, growth rate inhibition)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
LL50, 72 h (Pseudokirchneriella subcapitata (microalgae)) : > 100 mg/l (Method: OECD Test Guideline 201, growth rate inhibition)

Microorganisms:

1,3-DI-O-TOLYLGUANIDINE :
NOEC, 3 h (Activated sludge) : 100 mg/l (Method: OECD Test Guideline 209, Respiration inhibition)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
NOEC, 4 d (Photobacterium phosphoreum) : > 1,93 mg/l (Method: DIN 38412)

Aquatic toxicity / Long term toxicity:

Aquatic invertebrates:

1,3-DI-O-TOLYLGUANIDINE :
NOEC, 21 d (Daphnia magna (Water flea)) : 2,84 mg/l (Method: OECD Test Guideline 211, Growth inhibition/Reproduction inhibition)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
NOEC, 21 d (Daphnia magna (Water flea)) : 10 mg/l (Method: OECD Test Guideline 211, Growth inhibition/Reproduction inhibition)

Aquatic plants:

1,3-DI-O-TOLYLGUANIDINE :
EC10, 72 h (Raphidocelis subcapitata) : 4,8 mg/l (Method: OECD Test Guideline 201, growth rate inhibition)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
NOEC r, 72 h (Pseudokirchneriella subcapitata) : 100 mg/l (Method: OECD Test Guideline 201, growth rate inhibition)

12.2. Persistence and degradability :

In water: **Not hydrolysable**

Stability in water:

1,3-DI-O-TOLYLGUANIDINE :
: Half-life: > 1 y at 25 °C and pH 4 - 9
Method: OECD Test Guideline 111

Biodegradation (In water): **Not readily biodegradable.**

1,3-DI-O-TOLYLGUANIDINE :
Not readily biodegradable.
1 % after 28 d (Method: OECD Test Guideline 301 C)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC :
Not readily biodegradable.
Not readily biodegradable.: 4 % after 28 d (Method: OECD Test Guideline 301 B)

12.3. Bioaccumulative potential :

Bioaccumulation: **Based on the available information, it is not possible to conclude on the hasard potential of this mixture.**

1,3-DI-O-TOLYLGUANIDINE :
Partition coefficient: n-octanol/water: log Kow : 2,9 , at 25 °C (Method: OECD Test Guideline 107)

12.4. Mobility in soil - Distribution among environmental compartments:
Surface tension: 69,9 mN/m 20,6 °C (Method: OECD Test Guideline 115)

12.5. Results of PBT and vPvB assessment :

According to REACH regulation, annex XIII, this mixture contains no substance meeting PBT and vPvB criteria.

12.6. Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment:

Disposal of product: Destroy the product by incineration (in accordance with local and national regulations).

Disposal of packaging: Destroy packaging by incineration at an approved waste disposal site (in accordance with local and national regulations).

14. TRANSPORT INFORMATION

Regulation	14.1. UN number	14.2. UN proper shipping name	14.3. Class*	Label	14.4. PG*	14.5. Environmental hazards	14.6. Special precautions for user
ADR	2811	TOXIC SOLID, ORGANIC, N.O.S.(1,3-Di-o-tolylguanidine)	6.1	6.1	III	no	
ADN	2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	6.1	III	no	
RID	2811	TOXIC SOLID, ORGANIC, N.O.S. (1,3-Di-o-tolylguanidine)	6.1	6.1	III	no	
IATA Cargo	2811	Toxic solid, organic, n.o.s. (1,3-Di-o-tolylguanidine)	6.1	6.1	III	no	
IATA Passenger	2811	Toxic solid, organic, n.o.s. (1,3-Di-o-tolylguanidine)	6.1	6.1	III	no	
IMDG	2811	TOXIC SOLID, ORGANIC, N.O.S. (1,3-Di-o-tolylguanidine)	6.1	6.1	III	no	EmS Number: F-A, S-A

*Description: 14.3. Transport hazard class(es)
14.4. Packing group

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Listed in:

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC): Distillates (petroleum), hydrotreated light paraffinic; Baseoil -- unspecified

15.2. Chemical safety assessment:
A Chemical Safety Assessment has been carried out for this substance.

INVENTORIES:

EINECS:	Conforms to
TSCA:	Conforms to
AICS:	Conforms to
DSL:	All components of this product are on the Canadian DSL
ENCS (JP):	Does not conform
KECI (KR):	Conforms to
PICCS (PH):	Conforms to
IECSC (CN):	Conforms to
NZIOC:	Conforms to

16. OTHER INFORMATION

Full text of H, EUH-phrases referred to under sections 2 and 3

H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.

Update:

Safety datasheet sections which have been updated:		Type:
3	REACH Registration Number	Additions

Thesaurus:
NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed
dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).